

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1986-EE-0306

DATE ISSUED: June 10, 1986

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 0306-86

PREPARED BY: Francis R. Lewis of Waste Management of Illinois, Inc.

SUBJECT: WASTE MANAGEMENT OF ILLINOIS, INC. LANDFILL -- Leachate Disposal -- (City
of Kankakee Waste Treatment Plant)

PERMITTEE TO OPERATE

Waste Management of Illinois, Inc.

P. O. Box 1306

138th & Calumet Expressway

Calumet City, Illinois 60409

Permit is hereby granted to the above designated permittee(s) to construct and/or
operate water pollution control facilities described as follows:Leachate, collected from withdrawal wells permitted under LPC Permit 1984-798-FP and
located at the Kankakee Sanitary Landfill, will be trucked and discharged to the City
of Kankakee Waste Treatment Plant at a design average flow of 25,000 gpd and 1042
P.E. and a design maximum flow of 135,000 gpd and 5630 P.E.

This Operating Permit expires on May 1, 1991.

SPECIAL CONDITION 1: The issuance of this permit does not relieve the permittee of
the responsibility of complying with any limitations and provisions imposed by the
City of Kankakee.SPECIAL CONDITION 2: The Permittee shall not discharge to the sewer solid or viscous
wastes which cause obstruction to the flow in sewers or other interference with the
proper operation of any sewer or treatment works.SPECIAL CONDITION 3: The issuance of this permit does not relieve the permittee of
the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General
Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to
Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

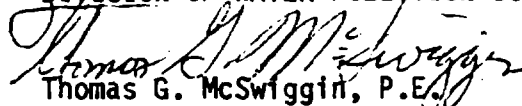
Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED
WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:BD:jmm/1189F/44-45

cc: EPA - Region II
City of Kankakee

DIVISION OF WATER POLLUTION CONTROL


Thomas G. McSwiggin, P.E.
Manager, Permit Section

EPA Region 5 Records Ctr.



304187

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMITPERMIT NO.: 1986-^{EE}MO-0306

DATE ISSUED: June 10, 1986

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 0306-86

PREPARED BY: Francis R. Lewis of Waste Management of Illinois, Inc.

SUBJECT: (KANKAKEE)-- ~~Waste Management of Illinois~~ ~~Landfill~~-Leachate Disposal --
(City of Kankakee Waste Treatment Plant) -- ~~Sewer Connection~~

PERMITTEE TO OPERATE

Waste Management of Illinois, Inc.
P. O. Box 1306
138th & Calumet Expressway
Calumet City, Illinois 60409

Permit is hereby granted to the above designated permittee(s) to construct and/or operate water pollution control facilities described as follows:

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SPECIAL CONDITION 2: The Permittee shall not discharge to the sewer solid or viscous wastes which cause obstruction to the flow in sewers or other interference with the proper operation of any sewer or treatment works.


SPECIAL CONDITION 3: The issuance of this permit does not relieve the permittee of the responsibility of complying with 35 Ill. Adm. Code, Part 307 and/or the General Pretreatment Regulations (40 CFR 403) and any guidelines developed pursuant to Section 301, 306, or 307 of the Federal Clean Water Act of 1977.

Continued on Page 2

THE STANDARD CONDITIONS OF ISSUANCE INDICATED ON THE REVERSE SIDE MUST BE COMPLIED WITH IN FULL. READ ALL CONDITIONS CAREFULLY.

TGM:BD:jmm/1189F/44-45
cc: EPA - Region II
City of Kankakee

DIVISION OF WATER POLLUTION CONTROL


Thomas G. McSwiggin, P.E.
Manager, Permit Section

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
WATER POLLUTION CONTROL PERMIT

PERMIT NO.: 1986-HO-0306

DATE ISSUED: June 10, 1986

FINAL PLANS, SPECIFICATIONS, APPLICATION
AND SUPPORTING DOCUMENTS

LOG NUMBERS: 0306-86

PREPARED BY: Francis R. Lewis of Waste Management of Illinois, Inc.

SUBJECT: KANKAKEE -- Waste Management of Illinois -- Landfill Leachate Disposal --
City of Kankakee Waste Treatment Plant -- Sewer Connection

SPECIAL CONDITION 4: The leachate shall be manifested using the following numbers:

1. Illinois Generator's ID 0910550006
2. Illinois Facility's ID 0910555023
3. Authorization Number 960543

These numbers shall remain valid until May 21, 1991.

Log No * 0306-86

Applicant: Waste Management of Illinois, Inc.
P.O. Box 1306
138th & Calumet Expressway
Calumet City, Illinois 60409

Submitted by: Francis R. Lewis of Waste Management of Illinois, Inc.
@ (312)-646-3099

Reviewed by: Mark Scholtenberger

Proposal: Discharge leachate from Kankakee Sanitary
Landfill to the City of Kankakee Waste
Treatment Plant {DAF-25,000 @ 1042 P.E.
DMF-135,000 @ 5629 P.E.

NOT ON restricted status, critical review or red file index

Design loading	11,000,000 gpd
reported loading	7,735,554 gpd

Action: issue permit

trucked in tanker trucks

LK permits - (leachate - gas withdrawal wells) - Nov 16th 1987 798-FF

DWPC FACT SHEET AND MEMORANDUM

Logged out
3-19-86

DATE:

3/19/86

TO:

Harry Chappel DWPC
DLPC
DPWS

MAR 20 1986

IEPA-DLPC

FROM:

Mark Schollenberger DWPC CONTACT PERSON

SUBJECT:

Candidate for Coordinated Permit Review
Waste Management - KANKAKEE SANITARY LANDFILL
Name of Project (312) 646-3099 Project Location or Site

On 3/13/86, Francis Lewis (called submitted application) which indicated they would be a potential candidate for a coordinated permit review for this project. A basic description of the project is as follows:

>10,000 P.E. , Contains Toxics..... Source of Waste = APC Device.....
Storage of Haz. or Toxic Wastes..... LPC Facility..✓
Facility Treats Haz. or Toxic Wastes..... PWS Facility.....
Sludge Produced - other Permits may be required ✓
NOTE: PLEASE RESPOND BY 3/27/86

COMMENTS:

permittee is taken leachate, from leachate-gas withdrawal wells permitted under 1984-798-3P, to the City of KANKAKEE Waste Treatment Plant

TO:

Mark Schollenberger DWPC

FROM:

Chris Liebman DLPC CONTACT PERSON

For Our Division This Project

Is Significant.....
Is Not Significant.....
Requires Permits.....
Does Not Require Permits ..
Contact Person.....

(FOR DWPC USE ONLY - CHECK HERE IF NOT SUBJECT TO CROPA)



TO: Tim Kluge, DWPC ~ Permit DATE: 5/29/86
FROM: Chris Liebman ☒ Information only
SUBJECT: Permit appl. to take leachate from ☐ Response requested
Kankakee Sanitary Landfill to Kankakee Water Pollution
Control Center. Log No. 0306-86

The following wording should be included as a condition of this permit:

The leachate shall be manifested using following numbers:

1. Illinois Generator's ID 0910550006

2. Illinois Facility's ID 0910555023

3. Authorization Number 960543

^{numbers}
These shall remain ~~in~~ valid until May 21, 1991.

RECEIVED

MAY 29 1986

Environmental
Division of Water
Permit Section
State of Illinois

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

MAR 20 1986

FOR IEPA USE: 0306-86
LOG NO.
RECEIVED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

MAR 13 1986

APPLICATION FOR PERMIT OR CONSTRUCTION APPROVAL Environmental Protection Agency
WPC-PS-1 WPC—Permit Log In

1. NAME AND LOCATION:

Name of project: Kankakee Sanitary Landfill Leachate Disposal

Municipality or Township: Kankakee County County: Kankakee County

2. BRIEF DESCRIPTION OF PROJECT: Disposal of leachate from Kankakee Sanitary Landfill to Kankakee P.O.T.W.

3. DOCUMENTS BEING SUBMITTED: If the project involves any of the items listed below, submit the corresponding schedule, and check the appropriate spaces.

PROJECT

Private Sewer Connection	A	Spray Irrigation	H
Public Sewer Extension	B	Septic Tanks	I
Sewer Extension Construct Only	C	Industrial Treatment or Pretreatment	J
Sewage Treatment Works	D		
Excess Flow Treatment	E	Cyanide Acceptance	L
Lift Station/Force Main	F	Updating Cyanide Acceptance Form	M
Sludge Disposal	G	Waste Characteristics	N <input checked="" type="checkbox"/>

LAND TRUST: Is the project identified in item number 1 herein, for which a permit is requested, to be constructed on land which is the subject of a trust? ☐ Yes ☒ No
If yes, item number 6.1.1 herein must be signed by a beneficiary, trustee or trust officer, and a trust disclosure must be submitted (see instructions, item 3).

Plans: Title N/A

Number of Pages: _____

Specifications: Title _____

Number of Books/Pages: _____

Other Documents (Please Specify) N/A

4. THIS IS AN APPLICATION FOR (CHECK):

☐ A. Joint Construction And Operating Permit
☐ B. Authorization To Construct (See Instructions) NPDES Permit No. IL00 _____ Issue Date _____
☐ C. Construct Only Permit (Does Not Include Operations)
☒ D. Operate Only Permit (Does Not Include Construction)

5. CERTIFICATIONS AND APPROVAL:

5.1 Certificate by Design Engineer

I hereby certify that I am familiar with the information contained in this application, including the attached schedules indicated above, and that to the best of my knowledge and belief such information is true, complete and accurate. The plans and specifications (specifications other than Standard Specifications or local specifications on file with this Agency) as described above were prepared by me or under my direction.

ENGINEER William R. Schubert 062-040803
NAME REGISTRATION NUMBER

SEAL

FIRM: Waste Management of Illinois, Inc.

ADDRESS: 138th St. & Calumet Expressway, Calumet City, IL 60409

PHONE NUMBER: (312) 646-3099

SIGNATURE William R. Schubert

6. CERTIFICATIONS AND APPROVALS FOR PERMITS:

6.1 Certificate by Applicant(s)

I/We hereby certify that I/we have read and thoroughly understand the conditions and requirements of this Application, and am/are authorized to sign this application in accordance with the Rules and Regulations of the Illinois Pollution Control Board.
I/We hereby agree to conform with the Standard Conditions and with any other Special Conditions made part of this Permit.

6.1.1 NAME OF APPLICANT FOR PERMIT OR AUTHORIZATION TO CONSTRUCT William Rauch
138th St. & Calumet Expressway, Calumet City, Illinois 60409
STREET CITY STATE ZIP CODE

SIGNATURE William Rauch

TITLE District Mgr/Vice President of ORGANIZATION Waste Management
Waste Mgmt of Ill. of Illinois, Inc.

138th St. & Calumet Expressway, Calumet City, Illinois 60409

STREET

CITY

STATE

ZIP CODE

SIGNATURE William RauchTITLE Vice President of Waste Management of Illinois as owner of Kankakee Sanitary Landfill.

6.2 Attested (Units of Government)

N/A

DATE _____

SIGNATURE _____

TITLE _____

(CITY CLERK, VILLAGE CLERK, SANITARY DISTRICT CLERK, ETC.)

6.3 Applications from non-governmental applicants which are not signed by the owner, must be signed by a principal executive officer of at least the level of vice president, or his duly authorized representative.

6.4 CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one):

- ☒ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____ granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

City Of KankakeeSEWER SYSTEM OWNER Department of Water Pollution Control385 Oak StreetKankakeeIL60901

STREET

CITY

STATE

ZIP CODE

SIGNATURE James R. ClarnoDATE 3/4/86TITLE Superintendent

6.4.1 ADDITIONAL CERTIFICATE BY INTERMEDIATE SEWER OWNER

I hereby certify that (Please check one): N/A

- _____ 1. The sewers to which this project will be tributary have adequate reserve capacity to transport the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____ granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

Name and location of sewer system to which this project will be tributary:

SEWER SYSTEM OWNER _____

N/A

STREET

CITY

STATE

ZIP CODE

SIGNATURE _____

DATE _____

TITLE _____

6.5 CERTIFICATE BY WASTE TREATMENT WORKS OWNER

I hereby certify that (Please check one):

- ☒ 1. The waste treatment plant to which this project will be tributary has adequate reserve capacity to treat the wastewater that will be added by this project without causing a violation of the Environmental Protection Act or Subtitle C, Chapter I, or
- _____ 2. The Illinois Pollution Control Board, in PCB _____ dated _____ granted a variance from Subtitle C, Chapter I to allow construction and operation of the facilities that are the subject of this application.

I also certify that the industrial waste discharges described in the application is capable of being treated by the treatment works, and such waste discharges will be in compliance with all currently applicable local, state or federal pretreatment requirements.

Name and location of waste treatment works to which this project will be tributary:

TREATMENT WORKS OWNER City of Kankakee, Department of Water Pollution Control385 Oak StreetKankakeeIL60901

STREET

CITY

STATE

ZIP CODE

SIGNATURE James R. ClarnoDATE 3/4/86TITLE Superintendent

James R. Clarno

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter III 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

FOR IEPA USE:

LOG #

DATE RECEIVED:

0306-86
RECEIVED

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
PERMIT SECTION
Springfield, Illinois 62706

MAR 13 1986

Environmental Protection Agency
WPC—Permit Log In

SCHEDULE N WASTE CHARACTERISTICS

1. Name of Project Kankakee Sanitary Landfill Leachate Disposal

2. FLOW DATA

EXISTING

PROPOSED-DESIGN

2.1 Average Flow (gpd) 5,000 g.p.d. 25,000 g.p.d.

2.2 Maximum Daily Flow (gpd) 25,000 g.p.d. 135,000 g.p.d.

2.3 TEMPERATURE

Time of year	Ave. Intake Temp. F	Avg. Effluent Temp. F	Max. Intake Temp. F	Max. Effluent Temp. F	Max. Temp. Outside Mixing Zone F
SUMMER					
WINTER					

2.4 Minimum 7-day, 10-year flow: N/A cfs MGD.

2.5 Dilution Ratio: N/A;

2.6 Stream flow rate at time of sampling N/A cfs MGD.

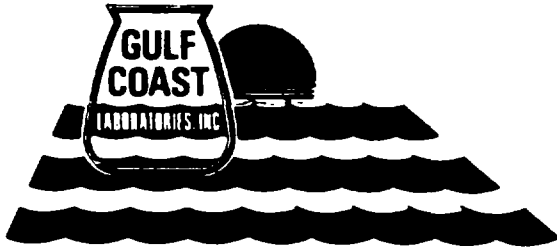
3. CHEMICAL CONSTITUTE Existing Permitted Conditions , Existing conditions ; Proposed Permitted Conditions X

Type of sample: grab (time of collection); X composite (Number of samples per day 1)

(see instructions for analyses required)

Constituent	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM DOWNSTREAM SAMPLES (mg/l) (mg/l)
Ammonia Nitrogen (asN)	920		
Arsenic (total)	0.020		
Barium	0.426		
Boron	57.1		
BOD ₅	850		
Cadmium	0.003		
Carbon Chloroform Extract	N/A		
Chloride	2570		
Chromium (total hexavalent)	<0.1		
Chromium (total trivalent)	<0.020		
Copper	0.059		
Cyanide (total)	<0.02		
Cyanide (readily released @150°F & pH 4.5)	<0.02		
Dissolved Oxygen	N/A		
Fecal Coliform	370		

	RAW WASTE (mg/l)	TREATED EFFLUENT Avg. (mg/l) Max.	UPSTREAM (mg/l)	DOWNSTREAM SAMPLES (mg/l)
Fluoride				
Hardness (as Ca CO ₃)	1.6			
Iron (total)	17.0			
Lead	0.069			
Manganese	0.285			
MBAS	0.159			
Mercury	< 0.0005			
Nickel	0.465			
Nitrates (as N)	43			
Oil & Grease (hexane solubles or equivalents)	64			
Organic Nitrogen (as N)	920			
pH	8.1			
Phenols	0.49			
Phosphorous (as P)	12.9			
Radioactivity	*See Below			
Selenium	< 0.010			
Silver	0.052			
Sulfate	180			
Suspended Solids	390			
Total Dissolved Solids	160			
Zinc	0.577			
Others				
* Radium 226	0.2 +/- 0.3 pCi/l			
* Radium 228	1.1 +/- 1.0 pCi/l			
* Gross Alpha	270 +/- 77 pCi/l			
* Gross Beta	675 +/- 81 pCi/l			
Hardness	1240			



GULF COAST LABORATORIES, INC.

2417 Bond St., Park Forest South, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

February 14, 1986

RECEIVED
MAR 20 1986
EPA-DLPG

Mr. Bob Lewis
CID Landfill
P.O. Box 1306
Calumet City, IL 60409

Dear Mr. Lewis:

Please find enclosed Schedule N. analysis of Kankakee Sanitary Landfill Leachate.

Dissolved Oxygen and C.C.E. (carbon chloroform extract) analyses were not completed because of special sampling requirements. If this is required, Gulf Coast will be happy to sample for these parameters.

If you have any questions, please contact our laboratories.

Sincerely,

GULF COAST LABORATORIES, INC.

Donald Gipple

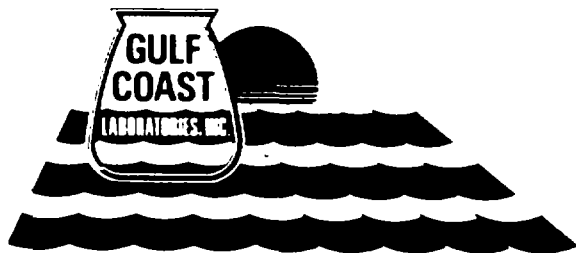
DG/kl

Enclosures

RECEIVED

FEB 18 1986

CID



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: CID Landfill
P.O. Box 1306
Calumet City, IL 60409

ATTN: Mr. Bob Lewis

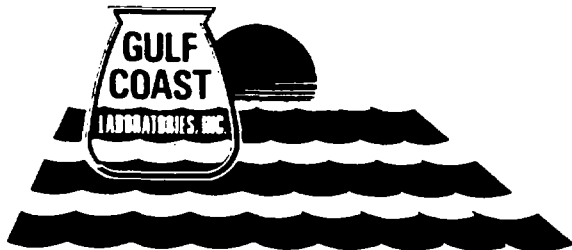
DATE: February 14, 1986

RE: CID Kankakee 3 Schedule N
Composite LW3 thru 9
Sample Date: 01/14/86
GCL# 76624

PARAMETERS	RESULTS
Arsenic	0.020 mg/l
Barium	0.426 mg/l
BOD	850 mg/l
Boron	57.1 mg/l
Cadmium	0.003 mg/l
Chloride	2570 mg/l
Hexavalent Chromium	< 0.1 mg/l
Trivalent Chromium	< 0.020 mg/l
Fecal Coliforms	370 mg/l
Copper	0.059 mg/l
Total Cyanide	< 0.02 mg/l
Reactive Cyanide	< 0.02 mg/l
Fluoride	1.6 mg/l
Gross Alpha	270 +/- 77 pCi/l
Gross Beta	675 +/- 81 pCi/l
Hardness	1240 mg/l
Iron	17.0 mg/l

Ronald J. Apple

2/14/86



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: CID Landfill
P.O. Box 1306
Calumet City, IL 60409

ATTN: Mr. Bob Lewis

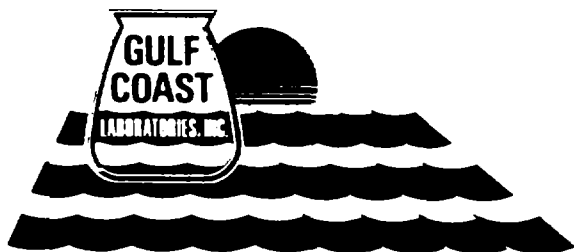
DATE: February 14, 1986

RE: CID Kankakee 3 Schedule N
Composite LW3 thru 9
Sample Date: 01/14/86
GCL# 76624

PARAMETERS	RESULTS
Lead	0.069 mg/l
Manganese	0.285 mg/l
Mercury	< 0.0005 mg/l
MBAS	0.159 mg/l
Nickel	0.465 mg/l
Nitrogen, Ammonia	920 mg/l
Nitrogen, Nitrate	43 mg/l
Organic Nitrogen	57 mg/l
Oil & Grease	64 mg/l
pH	8.1
Phenol	0.49 mg/l
Phosphorus	12.9 mg/l
Radium 226	0.2 +/- 0.3 pCi/l
Radium 228	1.1 +/- 1.0 pCi/l
Selenium	< 0.010 mg/l
Silver	0.052 mg/l
Dissolved Solids	160 mg/l

Donald J. Apple

2/14/86



GULF COAST LABORATORIES, INC.

2417 Bond St., University Park, Illinois 60466

Phones (312) 534-5200 (219) 885-7077 (815) 723-7533

ANALYTICAL REPORT

TO: CID Landfill
P.O. Box 1306
Calumet City, IL 60409

ATTN: Mr. Bob Lewis

DATE: February 14, 1986

RE: CID Kankakee 3 Schedule N
Composite LW3 thru 9
Sample Date: 01/14/86
GCL# 76624

PARAMETERS

RESULTS

Suspended Solids

390 mg/l

Sulfate

180 mg/l

Zinc

0.577 mg/l

Donald L. Apple

2/14/86

GCL QA/QC DATA REPORT

Units of Measure: mg/L (ppm)

[illegible]



Waste Management of Illinois, Inc.
P.O. Box 1306 · 138th & Calumet Expressway · Calumet City, Illinois 60409
312 646-3099

March 10, 1986

0306-86
RECEIVED

MAR 13 1986

Illinois Environmental Protection Agency
Division of Water Pollution Control
Springfield, Illinois 62706

Environmental Protection Agency
WPC — Permit Log In

Attention: Division of Water Pollution Control
Permit Section

RE: Application for permit
Leachate Disposal
Kankakee Sanitary Landfill

Gentlemen:

Submitted for your review and permit approval are two (2) copies of the WPC-PS-1, application for water pollution control permit and two (2) copies of the document form "N", waste characteristics. The operating permit requested is to discharge leachate from the Kankakee Sanitary Landfill to the city of Kankakee Waste Treatment Plant for treatment and disposal. Also attached for your reference are copies of the source analysis from Gulf Coast Laboratories. Please call me at (312) 646-3099 if you have any questions regarding this application.

Respectfully submitted,

WASTE MANAGEMENT OF ILLINOIS, INC.

Francis R. Lewis

Francis R. Lewis
Midwest Region
Environmental Management Department

cc: Mr. Byron Wallace, Kankakee County Regional Planning Commission
Mr. James Clarno, City of Kankakee Dept. of Water Pollution Control
Ray Nudi
Bill Rauch
John Rohr
Bill Schubert
Jane La Porte